SOFTWARE—PRACTICE AND EXPERIENCE, VOL. 21(12), 1381–1382 (DECEMBER 1991)

Author Index

Ahalt, S. C., 877
Anderson, D. P., 251
Andersson, A., 1125
Asplund, L., 1249
Atlee, J. M., 539
Atwood, J. W., 1365
Austin, P., 989

Baldassari, M., 823
Beckman, B., 187
Black, A. P., 91
Black, J. P., 1041
Boies, S. J., 1265
Boussinot, F., 401
Brookes, G., 331
Broom, B., 923
Bruno, G., 823
Byrne, E. J., 1349

Cabodi, G., 355
Callison, H. R., 337
Camurati, P., 355
Castella, A., 823
Chang, C.-C., 35
Chang, P. P., 1301
Charlton, C. C., 287
Cheng, H.-C., 657
Cheung, S. C., 235
Cimitile, A., 519
Coallier, F., 507
Cooper, K. D., 581
Coupal, D., 507
Coyle, J., 891
Crawford, R. H., 209
Crowe, D. R., 465
Czechowski, J., 167

Davidson, J. W., 149
de Carlini, U., 519
Dewan, P., 719
Douglis, F., 757
Dundas, III, J. A., 1027

Finkel, R., 429
Fowler, J., 877
Fraser, C. W., 1, 963
Fruchterman, T. M. J., 1129
Furuta, R., 119

Gburzyński, P., 51
Göthe, M. C., 1249
Gould, J. D., 1265

Hague, J., 949
Hall, M. W., 581
Hanson, D. R., 963
Haque, W., 891
Hardwick, M., 167
Hartel, P. H., 299
He, X., 845
Henry, R. R., 1
Hesketh, R., 1165
Ho, W. W., 209, 375
Hoekstra, J., 891
Hume, A., 1221
Hutchinson, N. C., 91
Hwu, W.-M. W., 1301

Jespersen, H., 891
Jul, E., 91

Kearns, S. M., 787, 805
Khalidi, M. Y. A., 443
King, K. N., 685
Kiong, D., 923

Lamma, E., 603
Lee, J. A. N., 845
Leng, P. H., 287
Lester, D., 479
Levary, R. R., 133
Levy, H. M., 77, 91
Lin, C. Y., 133
Little, J., 287
Lohr, P., 167
Lor, K.-W. E., 1103
Luecke, G., 891
Lunney, T. F., 269

Magee, J. N., 235
Mahlke, S. A., 1301
Marceau, C., 677
Mello, P., 603
Mills, C., 877
Moynihan, V. D., 391
Murray, K., 989

Natali, A., 603
Norvig, P., 231

Offutt, A. J., 685
Ogata, J., 119
Olsson, R. A., 209, 375
Ousterhout, J., 757

Perrott, R. H., 269
Peyton Jones, S. L., 479
Prager, W., 1365
Prinetto, P., 355
Purtilo, J. M., 539

Quinlan, S., 1289

Raj, R. K., 91
Ramachandran, U., 443
Ramsey, N., 677
Read, R. L., 13
Rees, S. A., 1041
Rego, V. J., 1189
Reingold, E. M., 1129
Robillard, P. N., 507
Rozin, R., 557
Rudnicki, P., 51

Sarachan, B., 167
Seshadri, V., 1323
Shaw, A. C., 337
Sheu, J.-P., 657
Smith, A. J., 639
Smith, M. L., 13
Smith, P. D., 1065
Snow, C. R., 907
Sonza Reorda, M., 355
Spooner, D., 167
Stotts, P. D., 119
Sunday, D., 1221
Sunderam, V. S., 1189

Tempero, E. D., 77, 91
Torczon, L., 581
Touati, H., 639
Treu, S., 557
Tzou, S.-Y., 251

Uejio, W., 167
Ukelson, J. P., 1265
Umemura, K., 1015

Vaughan, J., 331

Wallis, P. J. L., 391
Wellings, A., 989
Welsh, J., 923
Wengelin, D., 1249
Whalley, D. B., 149
White, L. J., 1075
Whyatt, D., 331

Wiecha, C., 1265
Wiszniewski, B., 1075
Wolfsthal, Y., 625
Wortman, D. B., 1323
Wu, T.-C., 35
Yang, C.-Q., 429
Yang, W., 739
Yi, Z., 949

SOFTWARE—PRACTICE AND EXPERIENCE, VOL. 21(12), 1383–1385 (DECEMBER 1991)

Key Word Index

Abstract data types, 77, 91, 337
Actus, 269
Ada, 391, 1249
Adaptive, 1065
Animation, 949
ANSI C, 963

Back-up, 1289
Behavioural modelling, 1103
Binary search tree, 1125
Boyer–Moore, 1221

C, 1301
C programming language, 401
C++, 557
Caches, 1289
Calling conventions, 149
Calling sequences, 149
cdiff, 739
Clock synchronization, 907
Code generation, 1, 149, 963
Code optimization, 1125, 1301
Communication, 989
Communication protocols, 51
Compilation, 1323
Compilers, 557, 581, 963, 1301
Compiling, 1
Computer program testing, 1075
Computer-aided design, 355
Concurrency, 1189, 1323
Concurrent compilation, 1323
Context sensitive, 787
Control graph, 507
CPU usage, 465
Crash recovery, 657
Cray, 269
Customization, 1165

Data-flow, 209
Databases, 639
Debugging, 209
Debugging and testing, 375
Demonstration tool, 949
Design, 557
Design automation, 1103
Design recovery, 1349
Dictionary, 1027
Digital systems, 355
Distributed computations, 51
Distributed computing, 989, 1249
Distributed file systems, 657
Distributed matrix multiplication, 1041
Distributed operating systems, 443
Distributed programming, 77, 429
Distributed shared memory, 443
Distributed system(s), 235, 429, 757, 823, 907, 1365
Document preparation systems, 625
Dynamic linking, 375

Emulation, 877
End-user programming, 1165
Engineering systems, 167
Estimator, 1189
Event-based debugging, 209
Event-driven systems, 823
Executable specifications, 51, 823
Experience, 757
Expert systems, 133
Extension languages, 187

Fault tolerance, 1249, 657
File replication, 657
File systems, 989, 1289
Floating-point arithmetic, 1015
Force-directed placement, 1129
Formal specification, 845
Fortran, 685
Full laziness, 479
Functional programming, 479
Fuzzy logic, 133

G-machine, 299
Grammatical specification, 119
Graph drawing, 1129
Graph reduction, 299
Graphical user interfaces, 167
Graphical workstation, 1165
Graphics, 949

Homogeneous multiprocessor, 1365

Implementation, 557
Incremental program development, 375
Inheritance, 91, 719
Inline expansion, 581
Instruction level timing, 299
Instruction set design, 877
Integrated programming environment, 269
Interactive graphics, 187
Intermediate code, 685
Intermediate languages, 963
Interpreter(s), 13, 557, 685, 877
Interprocedural optimization, 581
Interprocess communication, 251
Iteration looks, 1075

Karlsruhe arithmetic, 391
Kernel, 337
Knowledge representation, 603

Lambda lifting, 479
Language conversion, 391
Language translation, 1349
Language-based editors, 923
Letter-oriented hashing, 35
Line simplification, 331
LISP, 231, 1015
Literate programming, 677
Load sharing, 757
Logic programming, 231, 603
Loosely coupled, 1041
Loosely-coupled user interface, 167

Measurements, 507
Message-passing, 251
Meta-programming, 603
Metrics, 507
Microprogramming, 287
Modelling, 51
Modula-2, 1323
Module interconnection language, 539
Mothra, 685
Multi-level techniques, 1129
Mutation analysis, 685

NAG library, 287
Network protocols, 907
Network transparency, 657

Object-based concurrency, 91
Object-based system, 443
Object-oriented analysis, 823
Object-oriented database systems, 167
Object-oriented programming, 77, 91
Operating systems, 251, 337, 429, 757, 989
Operational definitions, 1103
Optimization, 465

Parallel algorithm, 235
Parallel computing, 989
Parallel processing, 331
Parallelism, 401
Parse extraction, 787
Parser generators, 119
Pascal, 391
Pascal-SC, 391
Pattern matching, 1, 805, 1027, 1065, 1221
Perfect hashing functions, 35
Performance, 251, 331
Performance analysis, 639
Performance improvement, 287
Performance modelling, 299
Petri nets, 823, 845
Predicate transition nets, 845
Process migration, 757
Processes, 337
Profile-based code optimization, 1301
Profiler(s), 465, 1301
Program customization, 375
Program graph models, 519
Program models, 519
Program monitoring, 209
Program transformation, 479
Program visualization, 719
Programmable debugging, 209
Programming environments, 923
Programming languages, 77, 91
Programming methodology, 91
Prolog, 231, 603
Protocol software development, 1365

Quality assurance, 507
Quality profile, 507

Rapid prototyping, 823
Re-engineering, 1349
Re-implementation, 1349
Reactive system, 401
Real time, 823
Real-time performance, 465
Real-time systems, 337
Reflection, 603
Regenerative, 1189
Registers, 149
Regular expressions, 787, 805
Remapping, 251
Remote procedure call, 77
Requirements, 1103
Retargeting, 1
Reverse engineering, 519, 1349
Row displacement method, 35
Run-time systems, 1249

Save/restore, 149
Scalability, 989
Scheme, 187
Searching, 1027, 1065, 1125
Semantic analysis, 1323
SGML, 625
Simple loop patterns, 1075
Simulated annealing, 1129
Simulation, 51, 355, 877, 1189
Simulation programming language, 557
Small functional bench-mark, 299
Software engineering, 187, 519
Software life-cycle management, 133
Software maintenance, 519
Software reuse, 539
Software testing, 685, 1075
Software validation, 1075

Source-level debugging, 209
Sparse table compression, 35
Specialized debuggers, 119
Speed-up, 235, 1189
Stochastic, 1189
STREAMS, 1365
String matching, 787, 805, 1065
String searching, 1221
Structured analysis, 845
Structured design, 1349
Structured documents, 625
Sunday, 1065
Supercomputers, 269
Symbolic computation, 1015
Synchronous pretty-printing, 739
Syntax directed editing, 269
Syntax-directed comparator, 739
System services, 429
Systems dynamics, 133

Table compaction, 1
Tailorability, 1165
Temporal logic, 355
Time service, 907
Timing, 337, 465
Trace data, 639
Trace-driven simulation, 639
Transformation techniques, 845
Travelling salesman, 235
Trees, 1027
Turing plus, 1365
Turner's combinators, 299
Two-way comparison, 1125

Unification, 231
UNIX, 13, 375, 1165
User interface, 1165
User interface development environments, 719
User interface management system, 13
User interface management systems, 167
User interfaces, 625
Utility servers, 429

Vector compiler, 891
Vector preprocessor, 891
Vectorization, 891
Vertical migration, 287
Virtual memory, 251
Visualization, 119

WEB, 677
Window system, 13
Workstation, 235
WORM, 1289

X window system, 1165

Yacc, 119